

ZIELINSKI, S.

ZIELINSKI, S. How are wired-concrete ties produced? p. 393.

Vol. 7, No. 10, Oct. 1955

PRZEGLAD KOLEJCWY

TECHNOLOGY

Warszawa, Poland

So: East European Accession, Vol. 5, No. 5, May 1956

ZIELINSKI, S.

ZIELINSKI, S. Rails for crossings. p. 58

Vol. 8, no. 3, Mar. 1956
PRZEGLAD KOLEJOWY DROGOWY
TECHNOLOGY
Warszawa, Poland

So: East European Accession, Vol. 6, no. 2, 1957

ZIELINSKI, S.

ZIELINSKI, S. Documentation in the field of consumption and reclamation of materials.
Przeglad. p. 65

Vol. 8, no. 5, May 1956
PRZEGLAD KOLEJOWY DROGOWY
TECHNOLOGY
Warszawa, Poland

So: East European Accession Vol. 6, no. 2, 1957

ZIELINSKI, S.

ZIELINSKI, S. Elast Furances; possibilities of their development. p. 456

Vol. 13, no. 12, Dec. 1956

HUMANIK
POLITICAL SCIENCE
Warszawa, Poland

So: East European Accession Vol. 4, No. 3, March 1957

ZIELINSKI, S.

ZIELINSKI, S. Extracting phenol from sewage. p. 39. GAZA, WODA I TECHNIKA SANITARNA. Warszawa, Poland. Vol. 30, No. 1, Jan. 1956

SOURCE: East European Accessions List (EEAL) LC Vol. 5, No. 6, June 1956

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065110016-9

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065110016-9"

ZIELINSKI, Stanislaw

Chemical Abstracts
May 25, 1954
Miscellaneous
Industrial Products

✓ Multicomponent complex-reduction oxidation catalyst
Alfons Krause and Stanislaw Zielinski Univ. TUM
Poland. Rocznik Chem. 27, 321-31 (1953) (German summary).—Ferri-cupale-ferrocyanide catalyst slowly decomposes H₂O₂ but greatly accelerates the oxidation of HCOO⁻ by H₂O₂ at 37°. The activity of this type of catalyst is attributed to its radical structure and to a continuous valence change chain of the ferric, ferrous, cupric, and cuproous ions.

Michael Buller

11-11-54

mj

POLAND/Physical Chemistry. Kinetics. Combustion. Explosions.
Topochemistry. Catalysis.

B-9

Abs Jour: Ref Zhur-Khim., No 13, 1958, 42627.

Author : Krause A., Zielinski S.

Inst :

Title : The Practical Importance of Catalytic Mutation.

Orig Pub: Przem. chem., 1957, 13, No 9, 503-505.

Abstract: It was ascertained that catalytic activity (CA) of Cu(OH)₂, on oxidation of As₂O₃ with air oxygen in an alkaline medium, depends not only on nature of ions utilized to activate this catalyst (C), but also on the sequence of addition of activating ions in the preparation of the C. C activated with the ions Mn²⁺, Fe³⁺ and [Fe(CN)₆]⁴⁻ (I) has the highest CA when the ions are added in the order Mn²⁺, Fe³⁺, I;

Card : 1/2

20

KLOTT, Maria, ZIELINSKI, Stefan

Behavior of hearing in tuberculous patients previously treated
and not-treated with streptomycin. Gruzlica 31 no. 637-640
Je'63.

1. Instytut Gruzlicy, Warszawa

*

ZIELINSKI, Stefan Jan, mgr inz.

Production of pure zinc in rectifying furnaces from secondary
Zn-Al and Zn-Cu-Al alloys and waste zinc. Wiad hut 19
no.7/8:209-211 J1/Ag '63.

ZIELINSKI, T.

On influence of the N*-state on the nucleon polarization in
pion-nucleon scattering. Bul Ac Pol mat 11 no.5:333-335 '63.

1. Institute of Theoretical Physics, University, Warsaw.
Presented by L. Infeld.

ZIELINSKI, T.

Description of polarization of arbitrary spin particles by one scalar function. Bul Ac Pol mat 11 no.5:337-339 '63.

1. Institute of Theoretical Physics, University, Warsaw.
Presented by L. Infeld.

ZIELINSKI, T.

Angular correlations for the reaction $\bar{p} + d \rightarrow p + \pi^+ + \omega$.
Acta physica Pol 25 no. 4:589-598 Ap '64.

1. Institute of Theoretical Physics, University, Warsaw.

SKALBA, Danuta; WORONIECKA, Helena; ZIELINSKI, Tadeusz

Detection of the rheumatic factor in hemagglutination reaction with blood cells coated with gamma globulins with the aid of diazo benzidine.
Polski tygod. lek. 17 no.24:946-948 Je '62.

l. Z Katedry Mikrobiologii Sl. AM, Zabrze-Rokitnica; kierownik: prof.
dr mgr. J. Szaflarski, z Państwowego Przedsiębiorstwa Uzdrowiska
"Ciechocinek" w Ciechocinku; lekarz naczelnny: dr C. Sadowski i ze
Szpitala Przeciwareumatycznego w Goczałkowicach; dyrektor: dr
T. Zieliński.

(RHEUMATISM immunol) (GAMMA GLOBULINS)
(HEMAGGLUTINATION)

ZIELINSKI, Tadeusz (adres autora: Sopot, Kosciuszki 35)

Investigation on the role of adrenocortical hormones in pathogenesis
of eclampsia. Ginekol pol 25 no.2:207-219 Ap-Je '54. (EHAL 3:8)

1. Z Kliniki Polonictwa i Chorob Kobiecych Akademii Medycznej
w Gdansku. Kierownik: prof. dr January Zubrzycki.

(STEROIDS, in urine,

*17-keto, in eclampsia)

(URINE,

*17-ketosteroids in eclampsia)

(ECLAMPSIA, urins in,

17-ketosteroids)

ZIELINSKI, T.; PETUSEWICZ, W.

Quantitative and qualitative changes of blood proteins in
pre-eclampsia and eclampsia. Polski tygod. lek. 6 no. 40:
1305-1312 1 Oct. 1951. (GML 21:3)

1. Of the Obstetric-Gynecological Clinic (Director--Prof. H.
Gromadzki, M. D.) of Gdansk Medical Academy.

ZIELINSKI, Tadeusz (Sopot, Kosciuszki 35)

Eclampsia according to new physiological aspects. Gin. polska
25 no.3:319-333 July-Sept. 54.

1. Klinika Polonictwa i Chorob Kobiecych Akademii Medycznej w
Bialymstoku. Kierownik: doc. dr S. Soszka.
(ECLAMPSIA, physiology.)

ZIELINSKI, Tadeusz

HILLER, Jan; ZIELINSKI, Tadeusz

Modification of the size of cells of the superficial layer of the
oral epithelium in man. Fol. morph., Warsz. 5 no.2:129-135 1954.

l. z Zakladu Histologii Prawidlowej i Embriologii Slaskiej Akademii
Medycznej. Kierownik: prof. dr T.Pawlikowski.

(MOUTH, anatomy and histology.
changes of size of cells of superficial layer of epithelium
in males)

(EPITHELIUM, anatomy and histology.
changes of size of cells of superficial layer in mouth
in males)

ZIELINSKI, Tadeusz

Uric acid in the blood in prognosis of pre-eclampsia and
eclampsia. Gin. polska 25 no.1:97-104 Ja-Mr '54.

1. Z Kliniki Polonictwa i Chorob Kobiecych Akademii Medycznej w
Gdansku. Kierownik: prof. dr med. J. Zubrzycki.

(URIC ACID, in blood,

*in eclampsia, progn. value)

(BLOOD,

*uric acid, in eclampsia, progn. value)

(ECLAMPSIA, blood in,

*uric acid, progn. value)

HAHN, W.E.; ZIELINSKI, T.

Synthesis of aminoalcohols. Pt. 7. Acta chim 9:41-55 '64.

1. Department of Organic Chemistry of the Lodz University.
Presented Nov. 1962.

ZIELINSKI, Tadeusz; LUSZNIEŃKO, Natalia

Essay of evaluation of immunologic phenomena in neoplastic diseases based on leukergy following antigen provocation.
Polski tygod. lek. 11 no.22:961-968 28 May 56.

1. Z Zakladu Radiologii AM w Gdansku--Oddzial Onkologii; kier.
prof. dr. med. W. Grabowski. Gdansk, Akademia Medyczna, Zaklad
Radiologii, Oddzial Onkologii.

(NEOPLASMS, immunology,

leukergy after antigen provocation (Pol))

(LEUKOCYTES,

leukergy after antigen provocation in neoplasms (Pol))

(ANTIGENS AND ANTIBODIES,

antigen provocation with leukergy in neoplasms (Pol))

ZIELINSKI, Tadeusz

~~Cancer of the cervix uteri in pregnancy; observations on
18 cases.~~ Polski tygod. lek. 11 no.43:1817-1823 22 Oct 56.

1. (Z Zakladu Radiologii A.M. w Gdansku; Kierownik: prof.
dr. med. W. Grabowski; z Oddzialu Onkologii Ginekologicznej;
Kierownik: doc. dr. med. T. Zielinski) adres: Gdańsk Oddz.
Onkologii Ginekologicznej A.M.

(CERVIX NEOPLASMS in pregnancy,
case reports (Pol))

(PREGNANCY, complications,
cancer of cervix, case reports (Pol))

ZIELINSKI, Tadeusz; SULOCKA, Jadwiga

Early recurrence of uterine cervical cancer after surgical treatment.
Polski tygod. lek. 12 no.12:421-427 18 Mar 57.

1. (Z Zakładu Radiologii A. M. w Gdansku; kierownik: prof. dr. W. Grabowski, z Oddziału Onkologii Ginekologicznej; kierownik: doc. dr. T. Zieliński i z Wojewódzkiej Poradni Onkologicznej w Gdansku; kierownik: lek J. Sulocka) Adres: Sopot, ul. Kościuski 35 M. 2.

(CERVIX NEOPLASMS, surg.
early recur. (Pol))

ZIELINSKI, Tadeusz

Present problems of early diagnosis of cancer of the uterus.
Gin. polska 28 no.1:119-132 Jan-Feb 57.

1. Z Zakladu Radiologii A.M. w Gdansku. Oddzial Onkologii
Kierownik: prof. dr. med. W. Grabowski i Wojewodzkiej Poradni
dla Kobiet Kierownik: doc. dr. med. T. Zielinski, Sopot-Kosciuszki
35.

(UTERUS NEOPLASMS, diag.
early, problems (Pol))

ZIELINSKI, Tadeusz

Uterine sarcomas from lymphoreticular system; case of primary,
isolated lymphatic reticulosarcoma of uterine cervix. Gin.
polska 28 no.3:351-362 May-June 57.

1. Z Zakladu Radiologii A.M. w Gdansku Kierownik: prof. dr. med.
W. Grabowski i z Oddzialu Onkologii Ginekologicznej Kierownik:
doc. dr. med. T. Zielinski. Adres: Sopot, ul. Kosciuszki 35.
(CERVIX NEOPLASMS, case reports

reticulum cell sarcoma, lymphatic (Pol))
(SARCOMA, RETICULUM CELL, case reports
lymphatic of uterine cervix (Pol))

ZIELINSKI, Tadeusz; SULOCKA, Jadwiga

Results & evaluation of the mass examinations performed in 1956 in Danzig for the detection of precancerous states & early forms of cancer of the uterine cervix & breast. Polski tygod. lek. 13 no.6: 207-212 10 Feb 58.

1. (Z Zakladu Radiologii A. M. w Gdansku; kierownik: prof. dr med. Witold Grabowski); (Z Oddzialu Onkologii Ginekologicznej; kierownik: doc. dr med. Tadeusz Zielinski i z Wojewodzkiej Poradni Onkologicznej w Gdansku; kierownik: lek. Jadwiga Sulocka.) Adres: Sopot, ul. Kosciuszki 35.

(CERVIX NEOPIASMS, prev. & control
in Poland, mass exam. (Pol))
(BREAST NEOPIASMS, prev. & control
same)

ZIELINSKI, Tadeusz (Sopot, ul. Kosciuski 35 n.2.)

Precancerous conditions and early forms of cervical cancer according to
the observations at the Regional Oncological Clinic in Gdańsk.
Polski tygod. lek. 13 no.19:705-711 12 May 1958

1. (Z Oddziału Onkologii przy Zakładzie Radiologii A.M. w Gdańsku;
kierownik; prof. dr med. W. Grabowski i z Wojewódzkiej Poradni
Onkologicznej dla Kobiet w Gdańsku; kierownik; doc. dr met. T.Zielinski).

(CERVIX NEOPLASMS, statistics,
precancer & early forms, hosp. statist (Pol))

TENCZYNKI, Leon; ZIELINSKI, Tadeusz

Pseudohermaphroditism & early embryonic tumors of the gonads; pathogenesis of male pseudohermaphroditism. Polski tygod. lek. 13 no.28: 1078-1083 14 July 58.

1. Z Zakladu Radiologii; kierownik: prof. dr med. W. Grabowski; Oddzialu Onkologii Ginekologicznej; kierownik: doc. dr med. T. Zielinski i z II Kliniki Wewnetrznych A. M. w Gdansku; kierownik: prof. dr med. J. Pensson. Gdansk-Wrzeszcz, ul. H. Sawickiej 5.

(HERMAPHRODITISM, case reports

male pseudohermaphroditism with disgerminoma (Pol))

(DISGERMINOMA, case reports

with male pseudohermaphroditism (Pol))

ZIELINSKI, Tadeusz (Sopot Kosciuszki 35.)

Preinvasive carcinoma of the uterine cervix: clinical problems. Gin. polska
29 no.4:479-491 July-Aug 58.

1. Z Zakladu Radiologii A. M. w Gdansku Kierownik: prof. dr W. Grabowski
z Oddzialu Onkologii Ginekologicznej i z wojewodzkiej Poradni Onkologicz-
nej w Gdansku Kierownik: doc. dr med. T. Zielinski.

(CERVIX NEOPLASMS)

epidermoid carcinoma in situ, diag. & ther. problems (Pol))

(CARCINOMA, EPIDERMOID

in situ, of cervix, diag. & ther. problems (Pol))

ZIELINSKI, Tadeusz (Sopot, ul. Kosciuszki 35.)

Hormone therapy of cancer. Polskie tygod. lek. 14 no.4:179-185
26 Jan 59.

1. Z Zakladu Radiologii A.M. w Gdansku - Oddzial Onkologii; kierownik:
prof. dr W. Grabowski.

(NEOPLASMS, ther.

hormones, review (Pol))

(HORMONES, ther. use

cancer, review (Pol))

ZIELINSKI, Tadeusz; GEORGIADES, Jerzy; CICHOLSKA, Aniela; JORDAN, Eugenia

Clinical observations on the oncolytic activity of viruses.
Polski tygod.lek. 15 no.29:1096-1104 18 Jl '60.

1. Z Zakladu Radiologii A.M. Oddzialu Onkologii w Gdansku; kierownik
prof. dr med. W.Gradowski i z Instytutu Medycyny Morskiej w
Gdansku; kierownik: doc. dr med. Z.Buczowski
(ADENOVIRUS)
(UTERUS NEOPLASMS ther)

POLAND / Soil Science Tilling. Melioration. Erosion. J

Abs Jour : Ref Zhur - Biologiya, No 11, 1958, No. 48701

Author : Zielinski, Teodor

Inst : Not given

Title : Forestation and Planting Trees and Shrubbery
on the Eroded Territories of the Keletskoye
Voyevodstvo

Orig Pub : Sylwan, 1956, B100, No 4, 63-66

Abstract : This article examines the organizational and
technical problems in soil erosion control at
Keletskoye Voyevodstvo. Forest plantations,
the area of which has an ellipsoid form measur-
ing 60 x 90 - 100 x 150 m, are recommended at
the upper parts of ravines and gullies. The
center of the plantation should be situated
somewhat higher than the top of the ravine.

Card 1/2

GOSZCZYNSKI, Stefan; ZIELINSKI, Wojciech

Colorimetric method of determining oximes. Chem anal 8 no.6:
925-929 '63.

1. Department of Organic Chemistry, Technical University, Gliwice.

ZIELINSKI, W.

"Achievements of the Russian and Soviet sciences in rubber synthesis", p. 558
(Przemysl Chemiczny. Vol. 9, no. 11, Nov. 1953, Warszawa)

SO: Monthly List of East European Accessions, Library of Congress, March 1954, Uncl.
Vol. 3, No. 3

ZIELINSKI, W.

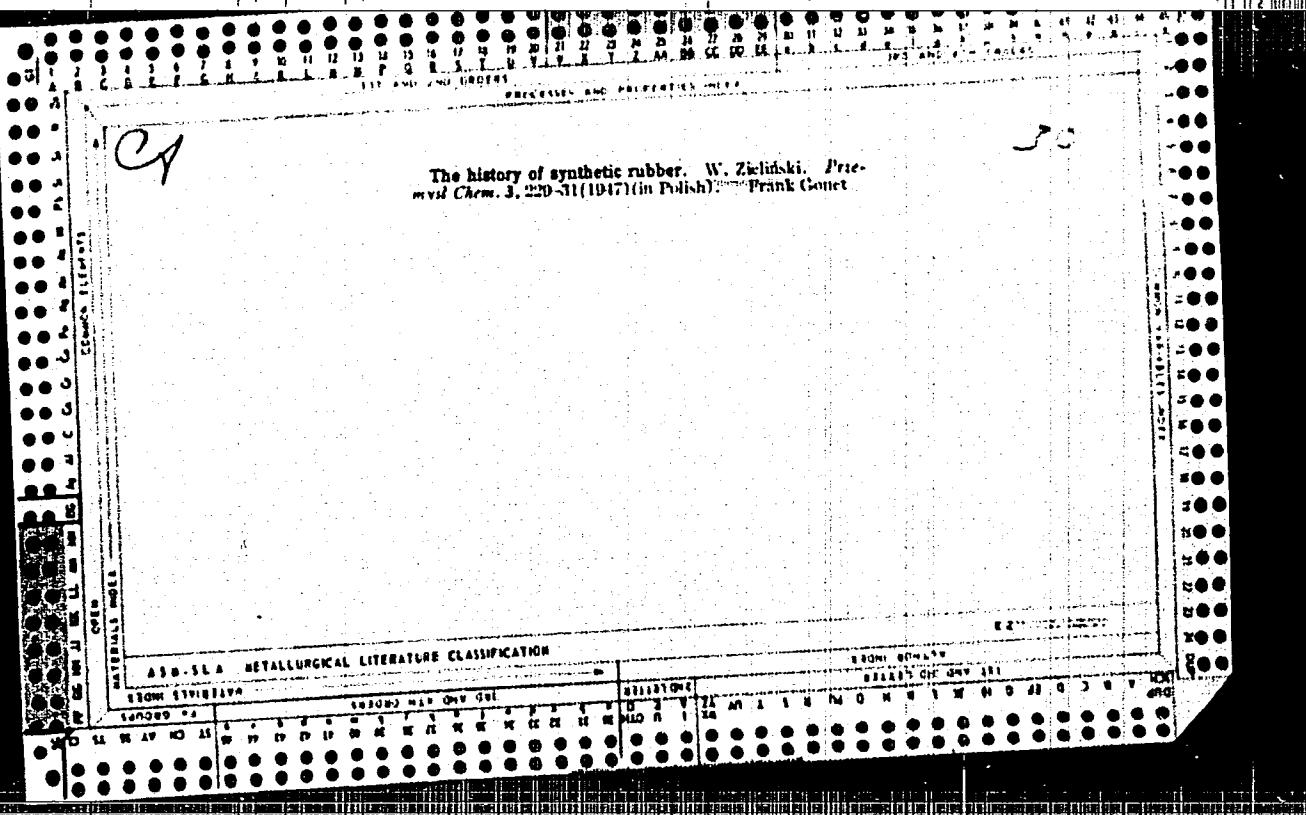
Rubber Abst.
Vol. 32 No. 1
Jan. 1954

Synthetic Rubbers and Like Products

115. Influence of agents, which lower the surface tension of water, on the course of the emulsion polymerisation of vinyl chloride. W. ZIELINSKI and S. DOMANUSOWA. *Przemysl chemiczny*, 1953, 8, 471-2; *Chem. Tech., Berlin*, 1953, 5, 615-6. A small addition of ethylene oxide to the dispersion medium facilitates the emulsion polymerisation of vinyl chloride with hydrogen peroxide as catalyst. The effect of the surface-active compound on the rate of polymerisation and yield is discussed in relation to the polar nature of the monomer, and results of experiments are given. 3521121111

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CIA-RDP86-00513R002065110016-9"

S. of C.J.

Crude Natural Rubber
& Derivatives.

Natural rubber derivatives. W. ZARELINSKI.
Przegni Chem., 1948, 28, 602-5; *Chem. Ab.*,
1949, 43, 8721. The chemical and physical pro-
perties, methods of manufacture, and applications
of various derivatives of natural rubber are reviewed.

303

1450

1165 539.169 : 542.052.6 : 567.391.3--211
Zielinski W., Hertz Z. Some Phenomena Connected with the Polymerization of Methyl Methacrylate in Glass.

„O pewnych zjawiskach towarzyszących procesowi polimeryzacji metakrylu metylu w szkle”. Przemysł Chemiczny No. 4, 1951, pp. 238-240, 2 figs.

Traces of some radioactive elements, derived from glassware, influence the course of polymerization of methyl methacrylate. This observation may be of value for detecting small amounts of radioactive materials.

ACCESSION NR: AP4043036

P/0046/64/009/02-/0189/0193

AUTHOR: Bardadin, M.; Bartka, J.; Eksleys, A.; Zielinski, W.

TITLE: The emission of neutrons in π^- -p interactions at 10 Bev

SOURCE: Nukleonika, v. 9, no. 2-3, 1964, 189-193

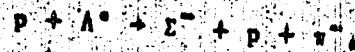
TOPIC TAGS: neutron emission, pi meson, proton, interaction, high energy interaction

ABSTRACT: The emission of neutrons from high-energy interactions was studied by scanning 32,000 photographs (from the 80-cm horizontal beam camera) exposed to the 10-Bev π^- beam of the CERN accelerator. To eliminate most of the background, events were checked against the following criteria: 1) The angle of emission of a "neutral particle" did not exceed 90°; 2) the distance r between the star and the apex of "neutral secondary interaction" did not exceed 7 cm. A sample of 74 stars associated with "neutral interactions" and situated in a forward hemisphere of 7-cm radius was obtained. Also, "true events"

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ACCESSION NR: AP4043036

and "background" were statistically separated by their dependence on r , with 39.6 ± 11.5 events assumed to be "true events." Two additional criteria were used: there should be no proton among the secondary tracks of the "primary" star" and in one-prong interactions where the observed track is a proton, also its angle with the line of flight of the "neutral particle" should be compatible with the kinematics of an n-p collision. The LS angular distribution of neutrons was found to be strongly peaked forward. The momentum distribution of neutrons was determined, then the CMS angular distribution was determined, indicating an upper limit for the neutrons emitted forwards in the CMS as $\leq 23\%$. With a probability of emission of a neutron from a star $a = 0.5 \pm 0.2$, neutrons are emitted in about 50% of n^-p collisions at 10 Bev. In the discussion, H. Bardadin mentioned the occurrence of an inelastic hyperon interaction -- an inelastic Λ^0 interaction with a proton.



Orig. art. has 6 figures.

Card 2/3

ZIELINSKI, W.

Properties and application of radiation-regenerated rubber. Magy kem
lap 19 no.6:300-302 Je '64.

1. Nuclear Research Institute, Warsaw.

Distr: 4E2c(j)/4E3d 7

Fractionation of methylchlorosilanes. Witold Zieliński
Tworyna-Guma-Lakier 4, Nos. 1-3, 226-31 (1967). The
method used in the fractional distn. of methylchlorosilanes
is described. The components of different azeotropic frac-
tions are given and the results of purifications compared.

F. L. Relidzinski

ps

1- 8μ (M3)
2

ZIELINSKI, Waclaw

Evaluation of Rehbein's operation in congenital intestinal obstruction in children. Roczn. pom. akad. med. Swierczewski 9:
245-266 '63.

1. Z Kliniki Chirurgii Dziecięcej Pomorskiej Akademii Medycznej
Kierownik: prof. dr Edward Drescher.
(ANUS) (ABNORMALITIES) (SURGERY, OPERATIVE)
(INFANT, NEWBORN, DISEASES)

Distr: 4E2c(j)/4E3d

✓ High-efficiency distillation apparatus. Witold Zieliński
(Inst. Twórczyw Sztucznych, Warsaw). Primary L'nt. 37-
502-5(1958). - Z. describes a lab. distn. unit which uses a
column packed with single-turn helices of 3 mm. diam.
The column was 1½ in. in diam. and had a total length of
5 m. When a mixt. of benzene and ethylene chloride was
distd. at a rate 1500 ml./hr., the column corresponded to 80
theoretical plates. The distn. app. was used for the distn.
of a mixt. contg. dimethylchlorosilane 10-50, methyl-
trichloroalane 20-60, and a residue 10-25%. This mixt.
was obtained during the synthesis of methylchlorosilanes.

P. J. Hepple

6 MAY
65

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065110016-9

ZIELINSKI, Zbigniew, mgr inz.

Runout of cutting edges for hole machining. Mechanik 37
no.5:265-267 My'64.

1. Polish Committee of Standards, Warsaw.

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065110016-9"

ZIELINSKI, Zbigniew, mgr inz.

Automatic multichannel measurements. Prace Inst tele-
techn 8 no.1:113-116 '64.

1. Scientific Research Laboratory, Institute of Tele-
communication and Radio Engineering, Warsaw.

ZIELINSKI WITOLD

V Synthetic ion exchangers V. Carbonyl cation-exchangers
from malic acid Tadeusz Rabczak

1. Introduction
In our previous paper we described the synthesis of carbonyl cation-exchangers from malic acid. The main idea of this work was to synthesize a new type of ion exchangers which can be used in the separation of metal ions. The synthesis of these exchangers was carried out by the following method. A solution of malic acid in water was added to a solution of aluminum chloride in methanol. After the reaction was completed, the precipitate was collected and washed with methanol. The resulting product was dried and then dissolved in water. This solution was then passed through a column packed with alumina. The eluent was then passed through a column packed with charcoal. The final product was then dried and stored.

2. Experimental
The synthesis of the carbonyl cation-exchangers was carried out by the following method. A solution of malic acid in water was added to a solution of aluminum chloride in methanol. After the reaction was completed, the precipitate was collected and washed with methanol. The resulting product was dried and then dissolved in water. This solution was then passed through a column packed with alumina. The eluent was then passed through a column packed with charcoal. The final product was then dried and stored.

3. Results and discussion
The results of the experiments show that the carbonyl cation-exchangers synthesized from malic acid have a high capacity for metal ions. The capacity of these exchangers for metal ions is higher than that of the exchangers synthesized from other acids. The capacity of these exchangers for metal ions is also higher than that of the exchangers synthesized from other acids. The capacity of these exchangers for metal ions is also higher than that of the exchangers synthesized from other acids.

4. Conclusion
The results of the experiments show that the carbonyl cation-exchangers synthesized from malic acid have a high capacity for metal ions. The capacity of these exchangers for metal ions is higher than that of the exchangers synthesized from other acids. The capacity of these exchangers for metal ions is also higher than that of the exchangers synthesized from other acids.

S/081/63/000/002/055/086
D171/B102

AUTHORS:

Rosciszewski, Paweł, Zakrzewski, Lech, Zielinski, Witold

TITLE:

Direct synthesis of alkyl chlorosilanes

PERIODICAL:

Referativnyy zhurnal. Khimiya, no. 2, 1963, 404-405,
abstract 2N43 (Polish patent 44883, Sept. 21, 1961)

TEXT: Alkyl chlorosilanes are prepared from Si and RCl (R=alkyl) on a Cu catalyst (CT) at 250-400°C. In certain methods R₂SiCl₂ other compounds such as RSiCl₃, R₃SiCl, also are separated from the reaction mixture. The Cu-CT may activate the pyrolysis of RCl. The importance of these side reactions can be reduced by supplying RCl without excess and at a rate depending on operating conditions, such as: the temperature and contact conditions of the reacting solid phase (Si and Cu); the fineness of the contact mass; the gaseous and solid phases, i.e. the temperature and contact conditions of the reactor, and so on. ✓

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Direct synthesis of alkyl ...

S/081/63/000/002/055/088
B171/B102

The pyrolysis of RCl occurs when the rate of its supply in the reaction zone exceeds a certain optimum value depending on the conditions of operation. According to the present patent, the rate of supply of RCl is modified when the activity of the contact mass and other parameters, such as temperature, are changed. The reaction is started by supplying RCl at a low rate, which is gradually increased as the rate of reaction increases and is then decreased toward the end of the process. It is possible to obtain a practically constant content of R_2SiCl_2 (40-70%) in the reaction products by regulating the rate of supply of RCl in order to ensure that the H_2 -content in uncondensable waste gases (not counting the unreacted RCl) is $\ll 25\%$, that the content of CH_4 and of other hydrocarbons is $\ll 50\%$, and that the total quantity of waste gases is $\ll 20\%$ of RCl supplied. Under a constant load of 53 l/hr per 1 kg of Cu-CT, the yield of R_2SiCl_2 decreases during the reaction (25-110 hrs) from ~ 24 to $\sim 5\%$. When the proposed method is applied, the yield of R_2SiCl_2 is maintained during a period of 45-220 hrs at an almost constant value: 54-58%. This is achieved by the use of a CT load of 16 l hr per

Card 2/4

Direct synthesis of alkyl ...

8/081/63/000/002/055/088
B171/B102

$(\text{CH}_3)_3\text{SiCl}$ and 10% of CH_3SiCl_3 . The authors give an example of a similar reaction carried out in a steel RT. [Abstracter's note: Complete translation.]

↙

Card 4/4

SODOWSKA, Wanda; ZIELINSKI, Witold

Synthesis of anhydrous formaldehyde. Magy kem lap 16 no.11,
520-523 N '61.

1. Muanyagkutato Intezet, Varsó.

ZIELINSKI, Waclaw

A case of true hermaphroditism. Pediat. pol. 36 no.6:645-650 '61.

1. Z Kliniki Chirurgii Dziecięcej Dziecięcej Pomorskiej AM w Szczecinie Kierownik: doc. dr med. E.Drescher.
(HERMAPHRODITISM case reports)

RIELINSK W.

PLATE I BOOK EXPLANATION

POL/3268

Bojanicki, J., Master of Engineering; J. Borecinski, Master of Engineering; J. Dobosz, Master of Engineering; J. Dobroszynski, Master of Engineering; J. Jelonek, Master of Engineering; J. Jarczynski, Master of Engineering; J. Kacprzak, Master of Engineering; J. Konalacki, Master of Engineering; J. Kocinski, Master of Engineering; J. Laskawski, Master of Engineering; J. Lotniski, Master of Engineering; J. Mielnicki, Doctor, Master of Engineering; J. Pobiedzinski, Doctor, Master of Engineering; J. Prusinski, Doctor, Master of Engineering; J. Ruzanski, Doctor, Master of Engineering; J. Szwedzinski, Doctor, Master of Engineering; J. Tarczynski, Doctor, Master of Engineering; and J. Zawadzki, Doctor, Master of Engineering.

Editor of Engineering: M. Zelisniak, Master of Engineering; and Scientific Coordinator: Master in Science.

Co. 1. Juk Production's "Wydawnictwo Ekonomiczne" (What Can Be Produced From Plastics and How), Warsaw, Poland, 1959.

(Series: "Przyroda i Technika Wydawnictwo Ekonomiczne 1" (Volume 1)).

Author slip inserted. 5-2633 copies printed.

Coordinator of the Work: J. Brzostowski, Master of Engineering.

Reviewer: St. Chodrynski, Master of Engineering or Publishing House: St. Pleszko, Master of Engineering; Scientific Ed.: K. Radzwill, Master in Science, Tech. Ed.: A. Urbaniak.

PARSONS: This book is intended for chemists and equipment designers in the plastics industry. It will be of interest to students of the plastics industry.

COVERAGE: This book, one of a series on the plastics industry, is divided into two parts. The first part discusses the classification of plastics, methods of production and uses of the most common types of the end-products. The basic properties of individual plastics are given in tabular form along with testing methods. The second part contains a general discussion of all known methods of processing plastics, thermosetting, thermoplastic, setting plastics. The design, construction, and parts of processing machines are described. The techniques of crystallization, annealing, and welding of plastics are also treated. A listing of terminology used in the plastics industry is included. A table includes the trade names and producers of major plastics. No references are given.

card 2/8

Country : POLAND
 Category : Chemical Technology. Chemical Products and
 Their Applications. Chemical Engineering
 Abs. Jour : Ref. Zhur.- Khimiya, 1959, No 14, No 49789
 Author : Zielinski, W.
 Institut. : Not given
 Title : High Efficiency Distillation Unit
 Orig Pub. : Przem. chem., 1958, 37, No 8, 502- 505
 Abstract : Described is the distillation unit for the fractionation of mixtures of methylchlorosilanes, consisting of a steel still having capacity of 24 l, equipped with an electrical heater of 1.2 kw rating, a glass column of 36 mm diameter, 5m in height and filled with Fenske's 3mm diameter packing, and a condenser. Upper portion of the column is equipped with an electromagnetic device that controls ratio of reflux and distillate. In testing of the unit, while employing ethylene chloride-chlorobenzene (at a liquid rate of 1500 cm³/hour

Card: 1/2

Country :
 Category :

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R002065110016-9"

Abs. Jour : Ref. Zhur.-Khimiya, 1959, No 14, No 49789

Author :
 Institut. :
 Title :

Orig. Pub. :

Abstract : and at a pressure drop of 30mm Hg) it was found that effectiveness of the column is equivalent to 80 theoretical trays. Presented are data for the separation of a mixture of methylchlorosilanes at reflux numbers varying from 10 - 30. -- V. Sokol'skiy

Card. 2/2

POL.

2664 66.30.0001111983-
Zielinski W. Stake & Lime and Mortar Factories

"Fabryki wapna gazuonego i zapraw budowlanych". Cement, Wapno, Gips. No. 7-6. 1951, pp. 113-116, 5 figs.

The author reviews a centralised method of producing mortars in factories and describes the industrial methods, as adopted by a number of Polish lime works, of wet and dry process slaking.

ZIEKINSKI, W.

3005. Achievements of Russian and Soviet
Scientists in the field of rubber synthesis. W. ZIEKINSKI.
Prace. Chem., 1960, 12(4), 608-610. (REVIEW)
1964, 1, 72-4. The history of the development of
synthetic rubber in Russia is traced. The early work
on unsaturated hydrocarbons by A. M. Butlerov and
his school, was followed by the polymerization of
2-methyl-butadiene in 1900. This is claimed to be
the first rubber synthesis, preceding by several
years the technical production of "Methyl-rubber
II" in Germany. Early Russian work on vinyl
polymers and sodium polymerisation of butadiene
is also mentioned. In the period 1910 to 1915 several
processes for synthesising butadiene were discovered.
Six references, dating from 1889 to 1915, are given.
352

L M A. YOUTZ

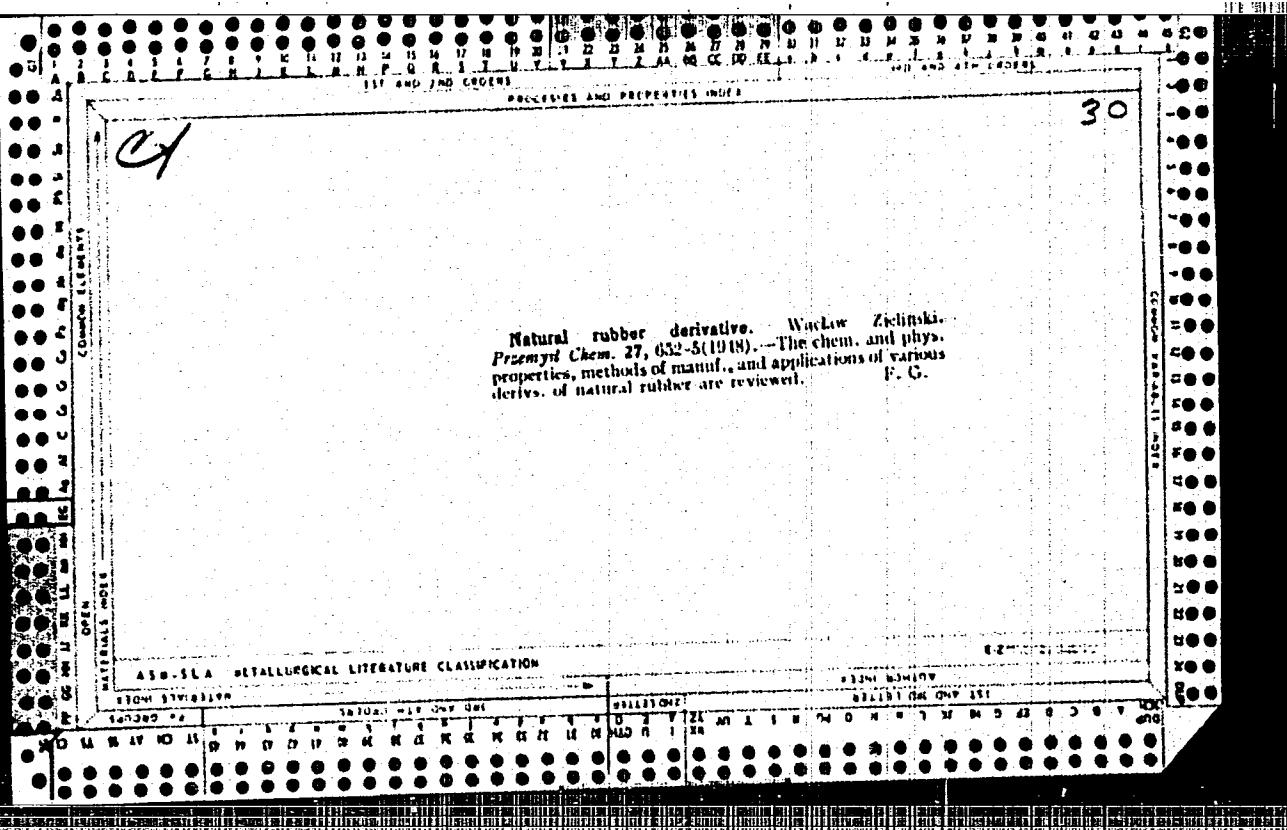
10/17/63

PM

ZIELINSKI, W.

"KOWALOV's method in the binding materials industry." p. 186 (CIMENT, WAFNO, GIPS,
Vol. 8, no.9, Sept. 1952, Krakow, Poland)

SO: Monthly List of East European Accessions, Vol. 2, #8, Library of Congress
August 1953, Uncl.



ZIELINSKI, WLODZIMIERZ

Chemical Abst.
Vol. 48 No. 3
Feb. 10, 1954
Cement, Concrete, and Other
Building Materials.

(1) Plants for hydrated lime and ready-mixed mortars.
Włodzimierz Zieliński. "Cement-Wapno-Gips" 9(18), 113-18
(1954). A review with 5 flow diagrams B for wet and 2 for
dry hydrations. The Moscow plant of ready-mixed mortars
of 120 cu.m. per day capacity by the wet method and Russ-
ian project for 7000 tons/year of hydrated lime by the dry
method are described.

F. J. Hendel

MAZONSKI, Tadeusz; GASZTYCH, Dionizy; ZIKLINSKI, Wojciech

Hydroxylation of allyl alcohol with hydrogen peroxide to glycerine
in the presence of phosphotungstic acid. Przem chem 41 no.5:251-
254 My '62.

1. Katedra Technologii Chemicznej Organicznej, Politechnika Śląska,
Gliwice i Instytut Ciezkich Syntezy Organicznej Hłachówna, Śląska.

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065110016-9

ZIELINSKI, Z. S.

Symmetrical N-n-phase group components, Archiw elektrotech 10 no.3:
665-683 '61.

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065110016-9"

ZIELINSKI, Zbigniew, dr inz.

Determination of frequency transients due to sudden
disturbances of the active power balance in a power system.
Przegl elektrotechn 40 no. 2: 78-82 F '64.

1. Instytut Automatyki Systemow Energetycznych, Warszawa.

ZIELINSKI, Zbigniew, dr inz.

Problems connected with automatic frequency disloading.
Energetyka Pol 18 no. 2: 40-43 F '64.

1. Zaklady Energetyczne Okregu Dolnoslaskiego, Wrocław.

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065110016-9

NOWICKI, Waclaw, mgr inz.; ZIEMBINSKI, L., mgr inz.

Review of publications. Gaz woda techn sanit 37 no.6:204,
3 of cover Je '63.

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065110016-9"

ZIEMBINSKI, Leszek, mgr inz.

Sanitation equipment on seagoing vessels. Gaz woda techn sanit
37 no.ll:365-369 N '63.

ZIEMBINSKI, L., mgr inz.

The first underwater tunnel in Argentina. Gaz woda techn sanit
37 no.1:33 Ja '63.

RUDESCU, I., dr., laureat al Premiului de Stat; ZIEMIANCOVSKI, V., dr.

On the early defoliation of reed in the Danube Delta. Cel hirtie
12 no.7:209-213 Jl '63.

1. Membru corespondent al Academiei R.P.R. (for Rudescu).

HAMAN, Stefania; MILKOWSKA-JANKOWSKA, Danuta; ZIEMINSKA, Stefania

Application of brilliant green bile broth in tests confirming the presence of coliform organisms in water and soil. Roczn panstw zakl hig 15 no.1:79-84 '64.

1. Department of Communal Hygiene, State Institute of Hygiene, Warsaw. Head of Department: prof. dr J. Just.

DZIERZKOWA, Wanda; CLEARCZYK, Julian; ZIEMIAK, Jerzy

Apropos of exchange transfusion in newborn infants with ABO incompatibility. I. Preparation of a suspension of washed red cells from the O group in the plasma compatible in the ABO system with infant's blood. Pol. tyg. lek. 18 no. 41:1514-1515
70 '63.

1. Z Dzialu Suchego Osocza; kierownik: dr med. J. Olearczyk,
Stacji Krwiodawstwa w Wroclawiu.

(ERYTHROBLASTOSIS, FETAL)
(EXCHANGE TRANSFUSION)
(ABO FACTORS) (ERYTHROCYTES)

ZIEMNICKI, Stefan, prof. dr

Combat against soil erosion in the Lublin Province. Przegl
techn 85 no.29:5, 9 19 J1 '64.

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065110016-9

RIEDEL, A.; MAGIERA, Wladyslaw, mgr; ZIEMNICKI, Stefan, prof. dr

Review of publications. Gosp wodna 24 no. 4:147-149 Ap '64.

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065110016-9"

KOSSOWSKI, S.; GIELDANOWSKI, J.; ZIEMSKI, Z.

Research on the ototoxic influence of streptomycin and dihydrostreptomycin studied by means of cochlear microphonics. Otolaryng. pol. 16 no.4: 573-580 '62.

1. Z Kliniki Otolaryngologicznej AM we Wrocławiu Kierownik: prof. dr W. Jankowski Z Zakładu Farmakologii AM we Wrocławiu Kierownik: prof. dr J. Hano.

(STREPTOMYCIN TOXICOLOGY) (DIHYDROSTREPTOMYCIN)
(COCHLEA)

ZIELINSKI, Zbigniew, dr inż.

Problems of design and production of iron castings for the
needs of the chemical industry. Chemik 15 no.7/8:260-264
Jl-Ag '62.

1. Instytut Odlewnictwa, Krakow.

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065110016-9

KUS, Stanislaw (Warszawa); ZALEWSKI, Waclaw (Warszawa); ZIELINSKI, Zenon
(Warszawa)

The 4th Congress on Prestressed Concrete (FIP) in Rome. Przegl budowl
i bud miesak 34 no.11:658-661 N '62.

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065110016-9"

ZIELINSKI, Z

5576

Zielinski Z. Testing of Economical Girders Subjected to Long-Period Loading. 26 624.072.2:624.042.1
Lodz 1958.

"Badanie dźwigarów oszczędnościowych na obciążenie długotrwałe".
Inżynieria i Budownictwo, No. 1, 1958, pp. 22-26, 11 figs, 2 tabs.

In experiments so far made with economical girders, work under long-period loading has not been taken into account. Since, however, bendings have been detected in several structures after prolonged use, experiments have been made with three types of girders, with a view to determining their deformability due to long-period loading, such experiments being performed in various stages of loading. The most interesting results were obtained, when, under long-period loading, girders were subjected to bending which increased with time, the bending corresponding to an exponential curve diagram; the increase of deformation in the course of time depended, to a considerable degree, on the character and value of the load; the progressing deformation of the girders depended mainly on the deformability of the girder strips themselves; and the extent of deformation due to long-period loading was relatively small.

820
111

4

adp

ZIELINSKI, Z.

SCIENCE

Periodicals: CHEMIK. Vol. 11, no. 11, Nov. 1958.

ZIELINSKI, Z. Tadeusz Lugowski; an obituary. p. 367.

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 4, April 1959,
Unclass.

ZIELINSKI, Z.

Shell girders assembled from segments through prestressing, p. 167.

INZYNIERIA I BUDOWNICTWO. (Naczelną Organizacją Techniczną i Polski
Związek Inżynierów i Techników Budowlanych) Warszawa, Poland,
Vol. 16, No. 4, Apr 1959

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, No. 11,
November 1959
Uncl.

ZIELINSKI, Z.

ZIELINSKI, Z. Constructing a prefabricated ski chute in Warsaw. p. 20
BUDOWNICTWO PRZEMYSŁOWE. Warszawa, Poland. Vol. 4, No. 11, Nov. 1955

SOURCE: East European Accessions List (EEAL) LC Vol. 5, No. 6, June 1956

ZIELINSKI, Z.

TECHNOLOGY

Periodical: INZENYRSKE STAVBY. Vol. 3, no. 12, Dec. 1955.

ZIELINSKI, Z. Construction of a ski jump from pre-fabricated concrete parts in Warsaw.
Tr. from the Polish. p. 493.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 3, March, 1959. Uncl.

ZIELINSKI, Z.

Influence of the distribution of reinforcement on the bearing capacity of a prestressed section subject to bending. p. 118. Vol. 12, no. 4, Apr. 1955.
INZYNIERIA I BUDOWNICTWO. Warszawa.

Source: East European Accessions List (EEAL), LC, Vol. 5, No. 3, March 1956.

ZIELINSKI, Z.

Prefabricated vaults of great span based on prestressed girders.

P. 124 (Inżynieria i Budownictwo. Vol. 14, no. 3, Mar. 1957, Warszawa, Poland)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,
February 1958

ZIELINSKI Z

ZIELINSKI, Z.

The construction of a ski jump of prefabricated prestressed elements in Warsaw.

p. 20 (Budownictwo Przemysłowe) Vol. 4, N^o. 11, Nov. 1955, Warszawa, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

ZIELINSKI, Z.; KUS, S.; JAROCZ, JR., T.

"Testing the Cable-Concrete Girders of the Roofs of the Grandstands of the Artificial Skating Rink in Warsaw", p. 19, (INZYNIERIA I BUDOWNICTWO, Vol. 12, No. 1, Jan. 1955, Warszawa, Poland)

SO: Monthly List of East European Accessions, (SEAL), LC, Vol. 4, No. 5, May 1955, Uncl.

108

624.072.3 : 620.933.3 : 624.074

Zielinski Z. Influence of Reinforcement Arrangement on the Bearing Capacity of Prestressed Cross-Section Subject to Bending.

"Wpływ rozmieszczenia zbrojenia na nośność sprezowanej przekroju zginanego". Inżynieria i Budownictwo. No. 4, 1955, pp. 118-124, 7 figs.

An analysis of the influence of the arrangement of prestressed wires on prestressed concrete members. Posttensioning by cables is not considered because of the small number of tensioning units and the small area they occupy in the cross-section. Moreover, only cross-sections symmetrical in relation to the horizontal axis — i.e. rectangular or double T' cross-sections — are considered. The bearing capacity of such members is analysed 1) for triangular diagram of stress, 2) for prestressing causing tension in the top-part of the cross-section. Different arrangements of the wires are considered: 1) wires grouped together round the centre of gravity of the stressed area, and 2) strings grouped round two outermost points as far apart as possible. The author is of the opinion that to obtain maximum bearing capacity in prestressed members for a minimum of prestressing steel, the wires should be grouped as near as possible to the distal edge of the cross-section. A review is also included here of the most favourable conditions and methods for the transportation and lifting of precast prestressed units.

L 32843-66 EWP(v)/EWP(k)/EWP(h)/EWP(l) HC
ACC NR: AP6024124

SOURCE CODE: P0/0022/65/000/011/0321/0327

AUTHOR: Zielinski, Zbigniew (Master engineer)

53

ORG: Institute of Telecommunications and Radio Engineering (Instytut Tele- i Radiotechniczny)

52

B

TITLE: Coordination between digital measuring instruments and print-out devices

SOURCE: Przeglad telekomunikacyjny, no. 11, 1965, 321-327

TOPIC TAGS: measuring instrument, recording equipment, signal decoding, pulse counter

ABSTRACT: The article deals with systems where digital-type instruments and recording devices are used in combined operation. Two groups of digital meters are considered here, namely: those based on the pulse-time method and those based on the compensation method. As to the recording devices, only those of the "permanent" i.e. print-out type are dealt with. The latter are either direct like a typewriter, programmed like a computer or dynamic. Each of these variations is described and it is explained how each is tied in with the corresponding digital instrument by means of decoding. It is found that printing by the "complement to ten" method is more universal in application with decatron, trochotron counters or with

Card 1/2

UDC: 621.317
0913.1701

L 32843-66

ACC NR: AP6024124

magnetic decades; it cannot be used, however, with the compensation-
or bridge-type meters. Dynamic printing can be done fastest by the
"in flight" method; another simple method is printing the informa-
tion encoded in voltage. The author thanks Master Engineer A. Scwinski for
the many valuable remarks and assistance in programming this material. Orig. art.
has: 8 figures and 2 tables. [JPRS]

SUB CODE: 13 / SUBM DATE: none / ORIG REF: 006 / OTH REF: 002

VS
Card 2/2

ZIELINSKI, Zbigniew

Heterogeneity of basic mechanical properties of gray cast iron.
Prace inst odlew 10 no.3/4:163-311 '60.

1. Zaklad Badan Wytrzymalosci

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065110016-9

ZIELINSKI, Zenon, dr inz.

Prefabricated building from prestressed triangular elements.
Inz i bud 19 no.4:146-151 '62.

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065110016-9"

ROMANSKI, Jerzy, inz. arch. (Warszawa); ZIMINSKI, Zenon, dr inz.
(Warszawa)

Tropical pavilion made of aluminum. Inz i bud 19 no.8:281-284
Ag '62.

ROBACZYNSKI, Lech, mgr inz. arch (Warszawa); ZIELINSKI, Zenon, dr inz.
(Warszawa)

Construction works of the Silesian School of Medicine in Katowice.
Inz i bud 19 no.8:300-303 Ag '62.

ZIELINSKI, Zenon, dr inz.

Typical universal roof constructions from prestressed concrete
in Poland. Inz i bud 19 no.5: Suppl.: Maly por konstr 3 no.3:13.
21 My '62.

1. Biuro Studiow i Projektow Typowych Budownictwa Przemyslowego,
Warszawa.

ZIELINSKI, Z. (Wroclaw)

Two new species of sheep lung nematodes in the endemic parasitic fauna in Poland. Rocznik nauk roln. wet. 70 no. 1/4: 190-191 '60.
(EEAI 10:9)

(Parasites) (Sheep) (Nematodes) (Lungs)

POLAND / Laboratory Equipment, Apparatus; Their Theory,
Construction and Application

F

Abs Jour : Ref Zhur - Khim., No 10, 1958, No 32290

Author : Zb. Zielinski

Inst :
Title : Apparatus for Continuous Quantitative Absorption of Hydro-
gen Chloride with Water and Method of Computation of Ab-
sorbed Gas.

Orig Pub : Przem. chom., 1957, 13, No 9, 506-508.

Abstract : An absorber for the quantitative determination of HCl
in gases liberated in the result of carrying out continuous
reactions is described. The method of computing the absorbed
HCl is presented.

Card 1/1

2

ZIELINSKI, Zdzislaw

Observation on cultivation of Trichomonas foetus from samples preserved in low temperature; preliminary communication. Wiadomosci para-zyt., Warsz. 4 no.5-6:601-602; Engl. transl. 602-603 1958.

l. Z Woj. Zakl. Hig. Weteryn. we Wroclawiu.
(TRICHOMONAS, culture,
foetus, refrigerated strains (Pol))

ZIELINSKI, Zdzislaw

Observations on the possibility of application of various sera in cultivation of Trichomonas foetus; preliminary communication. Wiadomosci parazyt., Warsz., 4 no.5-6:605; Engl. transl. 606 1958.

1. Z Woj. Zakl. Hig. Weteryn. we Wroclawiu.
(TRICHOMONAS, culture,
foetus, on various sera (Pol))

ZIELINSKI, Zdzislaw (Wroclaw)

Proposed legend for a parasitological map. Wiadomosci
parazyt., Warsz. 2 no.5:Suppl:233-234.1956.

1. Wojewodzki Zaklad Higieny Weterynarynej.
(PARASITIC DISEASES, epidemiology,
in Poland, proposed legend for parasitol. map (Pol))

120

00000000000000000000000000000000

Kuk S., Zieliński P. The Geometrical Structure of the Walsum Tee-Ring Grand Stand.

„Konstrukcja sprzągła trybuny zbrojnego lodowiska w Warszawie”
Inżynieria i Budownictwo No 1 (1953) pp 8-12, 14 figs.

This article describes a cantilever girder post-tensioned by cables constructed as cantilevers for the canopy over a grand stand. The span of the girder is 21 m and the lever is 12 m. The upper points of the girders have parabolic arcs. The ends of the canopy are placed on the lower straight beams. A description is included of the difficulties encountered in bending the post-tensioning cables in the upper beams of the girders, together with a number of technical considerations, formulas and diagrams defining the stresses at sag and bending moments throughout the girder construction.

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065110016-9"

K210

634.072.1.001.4 : 630.173 : 608.002.3 : 720.401

Zielinski Z., Kuz S., Jarosz T., Testing Concrete Girders Post-tensioned by Cables for the Canopy over the Warsaw Ice-Rink Grand Stand.
"Badanie stalogardzi kablowobetonowych pokrywczących trybun lodowiskowej w Warszawie". Inżynieria i Budownictwo, No. 1, 1936,
pp. 19-25, 18 figs., 4 tabs.

Tests were made of the elastically, load carrying capacity, and behaviour of girders during tensioning, transportation and lifting. The capacity properties of the girders as calculated are discussed and the tests described. The deformation was measured during tensioning of two chosen girders and the tabulated deformation values are given here. It was found that the frictional resistance on the bends caused a very considerable loss in the force of tension, and if the cables were tensioned at one end only, the tension at the other would be only one half of what had been anticipated. Thus, tensioning both ends was found to be necessary. In the course of elasticity tests the curve of deflections was plotted. The forming of cracks during the tests revealed that the safety factor was smaller than anticipated in the design, a phenomenon principally due to the friction losses on the bends as mentioned above. In order to raise the safety factor for crack formation to at least 1.2 it was decided to increase the tension. In resistance tests failure occurred when the load was 4050 kg/m in two girders at the cantilever, when the load was 5675 kg/m in two girders in the span, and when the load was 1200 kg/m at the very end of the cantilevers. The deflection of cantilever ends just before failure was approx. only 60 cm., i.e. approximately $\frac{1}{190}$ of the cantilever length. The safety factor for breaking was 2 which corresponded to calculations.

ZIELINSKI, Z.; KUS, S.

"The Prestressed Construction of Grandstands for the Artificial Skating Rink in Warsaw", p. 8, (INZYNIERIA I BUDOWNICTWO, Vol. 12, No. 1, Jan. 1955, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5, May 1955, Uncl.

"Problem of removing phenol from water."
Chemik, Katowice, Vol 7, No 5, May 1954, p. 149

SO: Eastern European Accessions List, Vol 3, No 10, Lib. of Congress